

FIG.1

GTGACAGGAGCCGAAGCAGCAGCGAGGTTGTCCCGGTTTCCCTCCCCCTTCCCTTCTCCGGTTGCCCTTCCCGGGCCCCCTTACACTCCACAGTCCCGGT
|||||
GTGACAGGAGCCGAAGCAGCAGCGAGGTTGTCCCGGTTTCCCTCCCCCTTCCCTTCTCCGGTTGCCCTTCCCGGGCCCCCTTACACTCCACAGTCCCGGT
|||||
CCCGCCATGTCCTCAGAAACAAGAAGAAGAACCTTGGGAGGAGACCGGCGAGGAGAACGACACGCAGGAGAAAGAAGGTAATTCCTGCCTGAGAGAG
|||||
CCCGCCATGTCCTCAGAAACAAGAAGAAGAACCTTGGGAGGAGACCGGCGAGGAGAACGACACGCAGGAGAAAGAAGGTAATTCCTGCCTGAGAGAG
|||||
CTGAAGAGGCAAGCTAAAGGCCAAAATACCCAAGCCTAGGACAAAAGCCTGGAGGCTCCGACTTCCTCATGAAGAGACTCCAGAAAGGCAAAAGTACTT
|||||
CTGAAGAGGCAAGCTAAAGGCCAAAATACCCAAGCCTAGGACAAAAGCCTGGAGGCTCCGACTTCCTCATGAAGAGACTCCAGAAAGGCAAAAGTACTT
|||||
TGAATCAGGAGACTACAACATGGCCAAAGCCAAGATGAAGATAAGCAGCTGCCAAGTGCAGGACCAGACAAGAACCTGGTGACTGGTGATCACATCCCC
|||||
TGAATCAGGAGACTACAACATGGCCAAAGCCAAGATGAAGATAAGCAGCTGCCAAGTGCAGGACCAGACAAGAACCTGGTGACTGGTGATCACATCCCC
|||||
ACCCACAGGATCTGCCCCAGAGAAAGTCCCTGCTCGTCACCAGCAAGCTTGCGGGGTAACTG.....AGCCCCCTCTCCTCCCCCTTCTCAACCACT
|||||
ACCCACAGGATCTGCCCCAGAGAAAGTCCCTGCTCGTCACCAGCAAGCTTGCGGGTGGCCAAGTTGAATGATGCTGCCCCGGGCTCTGCCAGATCCTGA
|||||
GGAGGTTTATATATTAGGCAGGGATGAAATGGGCACCTAGTCAGATCTTCTCAGCTTGCTAGCCAGAAATGACTGTGATTCCTGCTGGGGGCTGCTGAG
|||||
GACGCTTCCCCTCCCCTGCCCCACCCGGGTCTGTGCTGGCTCCTGCCCCCTTCTGCTTTTGCAGCCAGGGGTGAGGAGGTGGCTCGGGTGTGGGCTGGAG
|||||
AAGGTAATGTAGTTGAAAGGGGCTCTAAGTTTATTTTATTTTCGTTAGATTGACACTTCCACACACTCCCTGTAGTCCAGGTAGGGCTAGAAATAGGAA
|||||
AGGCAGAAGCCCTTCTGTTGGTGTCCAGGCACATGGAGCCCCCTTGGGCTGA.....GCACCAAGACCTTGAACCTTTTTTTGTTTTACCTTTTTTCC
|||||
AGGCTAGGATTGGATAATGCTGCAAAATGCTTTTTTTGTGTGAGAAACTGGAGAGATGATTCCTTTTGGGAGAGAAATGTCCTCAAAATTTGATTAGGC
|||||
AAATAACAGTTGGGAGAAATATCAATGAAATCTGGGGGTGGGGGTGGGCTGAAAGGGTGGGATGATGGAGGAGTATGAAATTAGGGCTTGGAG
|||||

FIG. 2A

[illegible][illegible][illegible]

AAAAAAAAA.....
 ||| |
 GAAAGGAGCCGTGAGCGTGGGGAACCCACAGAGCCCAAGGACTTTTCAGTATTCGAAATAAACAAAAACAAAAACCCATGAAAAAACCCCAAAAAA

AAAAAAAA

FIG. 2B

	1		50
bov. ARPP19	MSAEVPEAAS AEE.....	QKEMEDKVTS PEKAEAAKLK	ARYPHLGQKP
bov. endos.		EGIL.. PEKAEAAKLK	AKYPSLGQKP
hum. endosA	MSQKQEEENP AEETGEEKQD	TQEKEGIL.. PEKAEAAKLK	AKYPSLGQKP
hum. endosB	MSQKQEEENP AEETGEEKQD	TQEKEGIL.. PEKAEAAKLK	AKYPSLGQKP
pig endos.		EGIL.. PEKAEAAKxx	AKYPSLGQKP
	51		100
bov. ARPP19	GGSDFLRKRL QKGQKYFDSG	DYNMAKAKMK NKQLPTATPD	KTEVTGDHIP
bov. endos.	GGSDFLMKRL QKGQKYFDSG	DYNMAKAKMK NKQLPSATPD	KNLVTGDHIP
hum. endosA	GGSDFLMKRL QKGQKYFDSG	DYNMAKAKMK NKQLPSATPD	KNLVTGDHIP
hum. endosB	GGSDFLMKRL QKGQKYFDSG	DYNMAKAKMK NKQLPSATPD	KNLVTGDHIP
pig endos.	GGSDFLMKRx xxxQKYFDSG	DYNMAKxxxx xxQLPSATPD	KNLVTGDHIP
	101		124
bov. ARPP19	TPQDLPQRKP	SLVASKLAG*	
bov. endos.	TPQ		
hum. endosA	TPQDLPQRKS	SLVTSKLAG*	
hum. endosB	TPQDLPQRKS	SLVTSKLAGG QVE*	
pig endos.	TPQDLPQR		

FIG.3

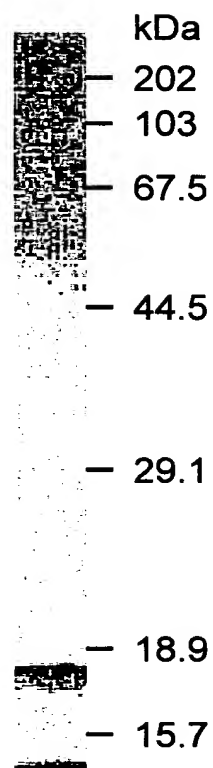


FIG.4A

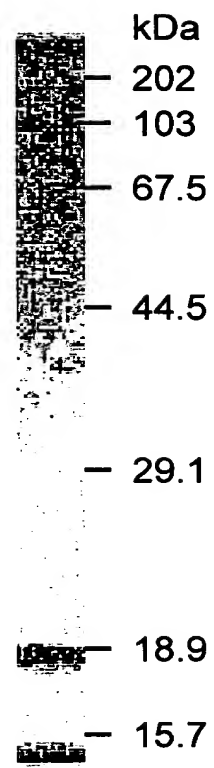


FIG.4B

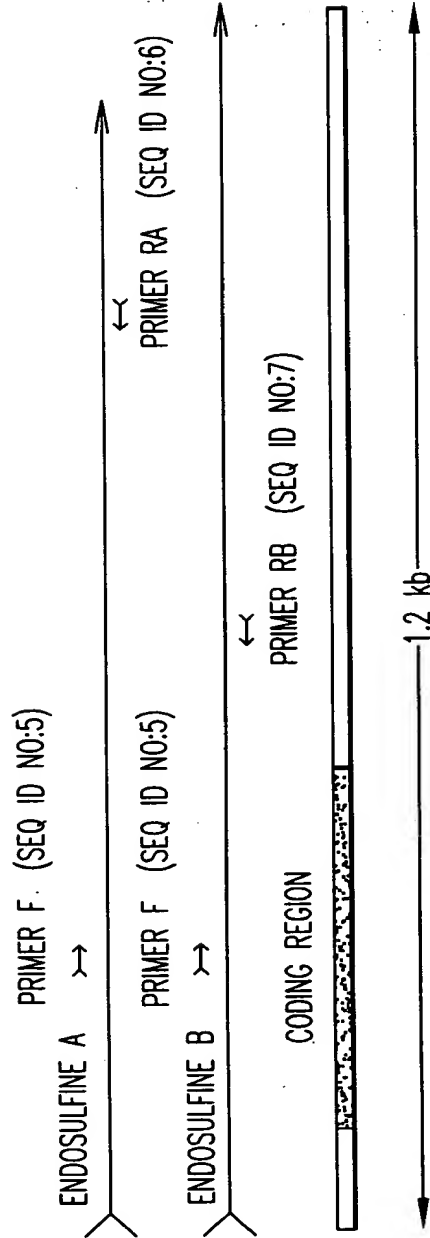


FIG.5

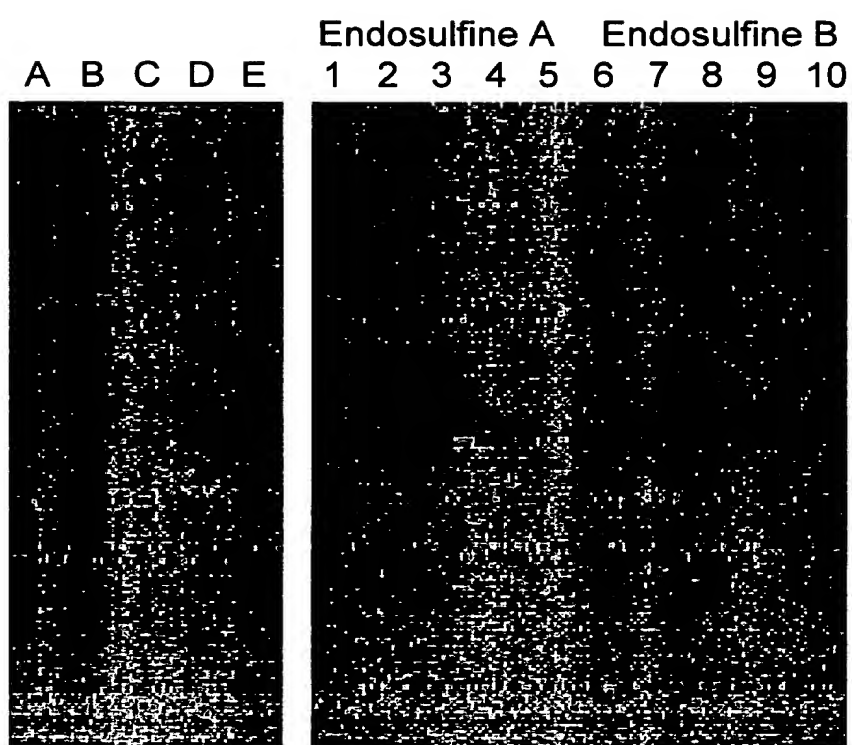


FIG.6

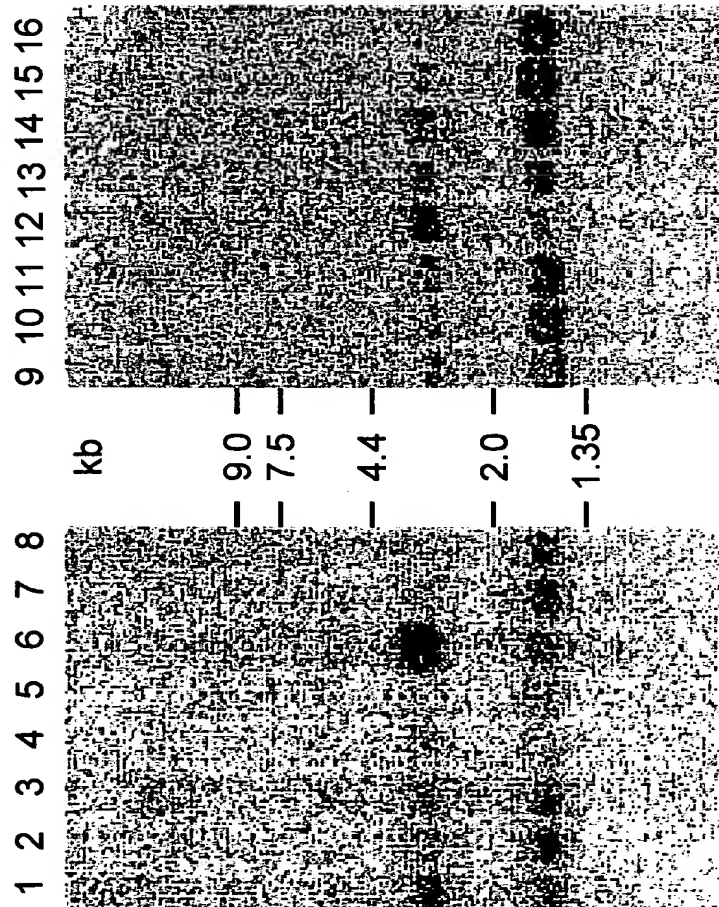


FIG.7

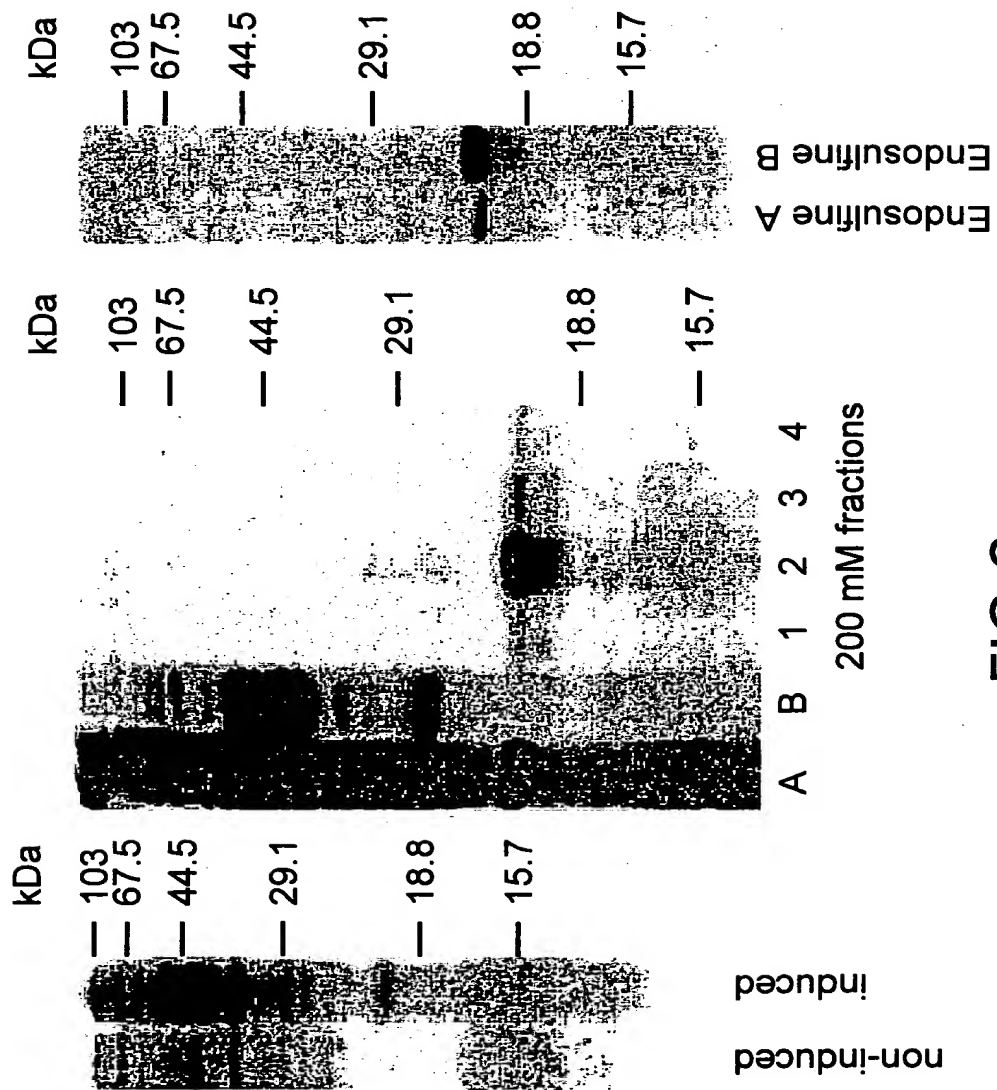


FIG.8